Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/02/2017 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124593	-1	1.23	124465	1.19
Blue	F	SSC	125000	122327	-3	2.67	122758	2.53
Blue	E	FITC	23795	22814	-5	2.46	1014	10.28
Blue	D	PE	29673	29010	-3	1.95	1044	9.71
Blue	B	PerCP-Cy5-5	48943	47829	-3	3.39	1381	17.65
Blue	A	PE-Cy7	44112	43410	-2	5.26	661	37.14
Red	C	APC	54273	53329	-2	2.71	3085	9.43
Red	A	APC-Cy7	54945	54318	-2	2.71	1128	11.40
Violet	B	V450	15756	14894	-6	3.59	714	8.66
Violet	A	V500	62569	60894	-3	3.33	2702	6.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19642	2.79	612	-2	N/A	N/A	Pass
Blue	F	SSC	60589	1.44	544	-2	N/A	N/A	Pass
Blue	E	FITC	114	39.20	548	-2	0.0208	178	Pass
Blue	D	PE	230	28.80	546	0	0.1641	251	Pass
Blue	B	PerCP-Cy5-5	215	46.11	636	-3	0.0090	59	Pass
Blue	A	PE-Cy7	72	124.00	693	-6	0.0110	14	Pass
Red	C	APC	361	27.56	598	-2	0.0203	65	Pass
Red	A	APC-Cy7	123	40.18	577	-7	0.0052	1250	Pass
Violet	B	V450	86	39.92	473	1	0.0465	1587	Pass
Violet	A	V500	196	21.99	502	3	0.0139	179	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.37	0.83
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.85	13.27 - 19.91	N/A	N/A	31.67	31.99	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11826

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments